

Abstract

The present invention provides a method for conducting electroplating in the presence of CO₂ and a metal salt-containing aqueous solution, wherein the CO₂ is in the form of liquid, subcritical or supercritical, the method being characterized in that a nonionic compound having a CO₂-affinitive moiety is further added to the system where the aqueous solution and CO₂ coexist. The method of the present invention improves the efficiency of the electrochemical reaction process and enables formation of an excellent metal film.